1/28/21

Attendees:

Others may have been in attendance after roll was captured.

Agenda

Old
  - Bugs and issues
  - Dot release
  - V2 API update (Cloud)
  - Other updates if necessary (UI, Kubernetes, CLI)

New
  - Issues raised by Cloud and Monthly Architect’s meeting
    - CBOR decision
    - ADR for Array Datatypes
    - Put/Set/Write commands for actuator
    - Client config
    - Core Command no longer uses the database
      - It uses Metadata
  - Core WG board

Old Business

Current Issues/Bugs/PRs
  - https://docs.google.com/presentation/d/1EZTf1Ap8wX0Bq0jrV0AaFNgcd9LaMjQ0wvHtnXGbsEU/edit#slide=id.g8aa2d85d1a_0_3
  - Specifically to be addressed
    - https://github.com/edgexfoundry/edgex-go/issues/3033
    - Decision - feature add for Jakarta (stretch for Ireland)

Dot Release
EdgeX Foundry Core Working Group

(plus system management and UI)

- Where are we at with Metadata changes on Hanoi branch (for admin/op state fix and any go-mod-messaging updates to address ZMQ issue)?
- Go-mod-messaging update on Hanoi branch done by Lenny/Tony
- Metadata changes for admin/op state to be done by Cloud and Team this week.
- Developer script work for Hanoi dot being done in a new branch by Lenny

**V2 API update from Cloud**

- Starting of core command, schedule and notifications
- Core data/metadata - patch some features missed (CBOR and object checking)

**Kubernetes** - nothing new to report

**UI** - nothing new to report

**CLI**

- CLI - Malini and Diana off to other endeavors
- CLI Hanoi dot release ready (includes config fix)
- Decision in Architect’s meeting to create DS and AS templates and then figure out where to put the tooling
  - Where to put the templates and how to script (cover in App and DS WG)
  - Let's learn from past experience (minimal templates, kept up to date and working)

**New Business**

- CBOR decision per Monthly Architect’s meeting
  - **Decision**: for Ireland - no change
  - For Jakarta (or stretch for Ireland) – allow DS to have switch to use CBOR for everything or JSON sent through the bus (or REST channel)
  - Perhaps we need some testing in Go SDK and DS; even full workflow test to see if there are significant gains across
  - Could we run this through Modbus scalability tests to see results - passing on to TestQA for backlog work
- Per Cloud: we have an ADR for Array Datatypes, and we are using a simple way in V1. May we discuss how to deal with this in V2 or keep it the same?
  - https://docs.edgexfoundry.org/1.3/design/adr/device-service/0002-Array-Datatypes/
  - Adding a new ArrayReading, and it has an additional field Values []string
  - Could just leave the ValueType constants as-is, and not have isArray?
  - **Decision**: Keep V1 implementation/design (Jim to update the ADR)
- We use the term Put/Set/Write commands for actuator in EdgeX V1.
  - **Decision** per DS working group: use Get/Set consistently throughout profile, commands, etc.
  - As a result of the discussion, also a suggestion to:
    - Have coreCommands in the device profile default to all deviceCommands
    - Unless coreCommands are explicitly entered, overriding the defaults.
    - Added complexity - “All” device commands and all device resources
- Scenarios when you don't have deviceCommands (but have device resources)
  - **Decision:** this default idea is dead. Will not do it. Keep things explicit.
- Per Monthly Architects meeting - relative to these two (somewhat orthogonal but related) issues:
  - [https://github.com/edgexfoundry/edgex-go/issues/2424](https://github.com/edgexfoundry/edgex-go/issues/2424)
  - Decision in the Monthly Arch’s meeting of 1/26/21 was:
    - We will use service keys in configuration.toml files
    - Service keys are defined in [https://github.com/edgexfoundry/go-mod-core-contracts/blob/master/clients/constants.go](https://github.com/edgexfoundry/go-mod-core-contracts/blob/master/clients/constants.go)
    - Both issues above – should be addressed by this decision
    - Add to agenda in Core WG to make sure everyone is aware/ add to cross cutting concerns because this hits everyone.
    - **Decision:** finalized per above. Issues already updated.
  - Want to look at refactoring creation of clients in one place (current in init.go)
    - Because we are going to be making changes in init.go, the opportunity exists to fix this too - **Lenny’s got this.**
- Core Command no longer uses the database
  - It uses Metadata
  - Does Command cache or does it always ping metadata - answer, no cache
- Docker file name changes are ready - wait until Monday to make the change so Jim can provide a note to everyone and give early warning.
- Board updates